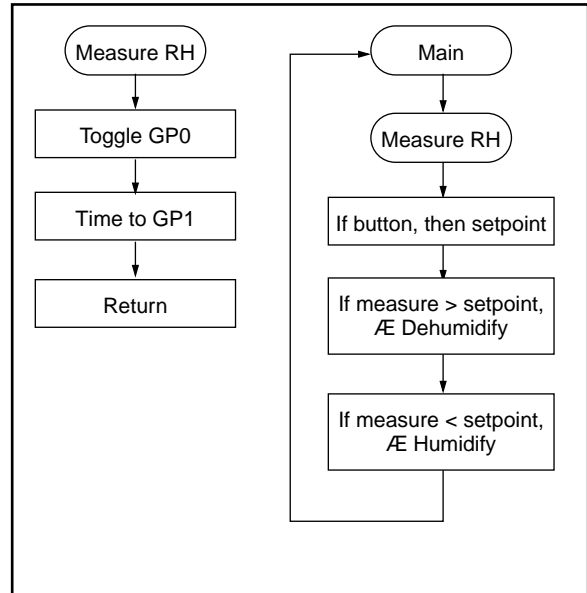# SIMPLECIRCUIT™

# RH Controller (Humidistat)

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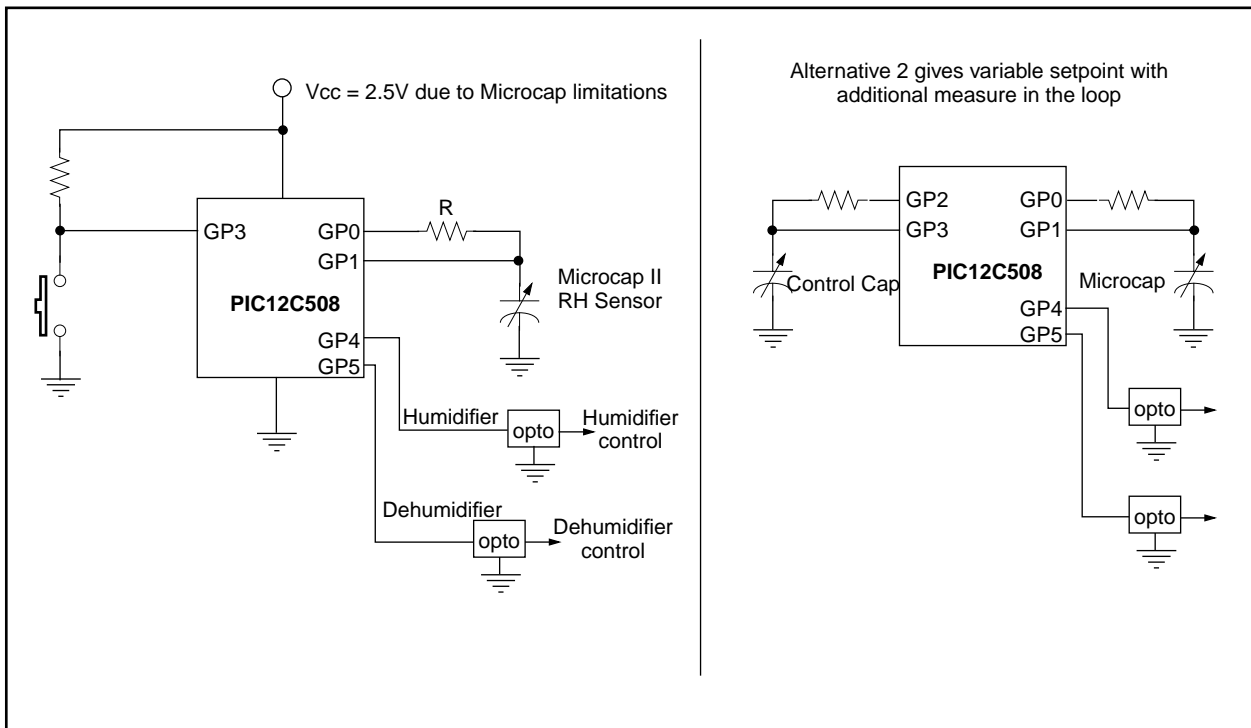*Nelson Research*
*Webster, MA*
*USA*
*email: l.nelson@ieee.org*

## INTRODUCTION

Using a PIC12C508, determine the capacitance of an RH sensor (Parametrics Microcap II), with contact closure to give setpoint. When RH is below the setpoint, use output to run Humidifier. When above the setpoint, use output to run Dehumidifier. Use Timer0 to determine charge/discharge times for sensor (and control cap for alternative 2).

**FIGURE 1:     FLOWCHART**



**FIGURE 2:     SCHEMATIC**

# SimpleCircuit™